



Sheet 1 of 3

| INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i> | | | | ATTY. DOCKET NO. 660088.420C1 | APPLICATION NO. 09/393,441 RECEIVED | | |
|--|----|--|----------|---|---|-------------|----------------------------|
| | | | | APPLICANTS Christen M. Anderson et al. | | | |
| | | | | FILING DATE September 8, 1999 | GROUP ART UNIT 1633 | SEP 12 2000 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | AA | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | | TRANSLATION | |
| X | AB | WO 98/19714 | 05/14/98 | WIPO | | YES | NO |
| X | AC | WO 99/07845 | 02/18/99 | WIPO | | | |
| | AD | | | | | | |
| OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| X | AE | Adrian et al., "Sequences Required for Delivery and Localization of the ADP/ATP Translocator to the Mitochondrial Inner Membrane," <i>Molecular and Cellular Biology</i> 6(2):626-634, 1986. | | | | | |
| X | AF | Aquila et al., "Complete Amino Acid Sequence of the ADP/ATP Carrier from Beef Heart Mitochondria," <i>Hoppe-Seyler's Z. Physiol. Chem.</i> 363:345-349, 1982. | | | | | |
| X | AG | Block et al., "Atractyloside and Bongrekic Acid Sites in the Mitochondrial ADP/ATP Carrier Protein," <i>FEBS Letters</i> 131(2):213-218, 1981. | | | | | |
| X | AH | Block et al., "Chemical Modifications and Active Site Labeling of the Mitochondrial ADP/ATP Carrier," <i>Methods in Enzymology</i> 125:658-670, 1986. | | | | | |
| X | AI | Bojanowski et al., "Studies on the Adenine Nucleotide Translocase from Rat Liver Mitochondria," <i>Eur. J. Biochem.</i> 71:539-548, 1976. | | | | | |
| X | AJ | Boulay et al., "Synthesis and Properties of Fluorescent Derivatives of Atractyloside as Potential Probes on the Mitochondrial ADP/ATP Carrier Protein," <i>Analytical Biochemistry</i> 128:323-330, 1983. | | | | | |
| X | AK | Brandolin et al., "Partial Purification of an Atractyloside-Binding Protein from Mitochondria," <i>FEBS Letters</i> 46(1):149-153, 1974. | | | | | |
| X | AL | Brandolin et al., "Substrate-Induced Modifications of the Intrinsic Fluorescence of the Isolated Adenine Nucleotide Carrier Protein: Demonstration of Distinct Conformational States," <i>Biochemistry</i> 24:1991-1997, 1985. | | | | | |
| EXAMINER <i>[Signature]</i> | | | | DATE CONSIDERED <i>4.26.01</i> | | | |
| * EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s). | | | | | | | |



Sheet 2 of 3

| FORM PTO-1449 (REV.7-80) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 660088.420C1 | APPLICATION NO. 09/393,441 | | |
|---|----|--|------|---|-------------------------------|-----------------------------|----------------------------|
| INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i> | | | | APPLICANTS Christen M. Anderson et al. | SEP 12 2000 | | |
| | | | | FILING DATE September 8, 1999 | GROUP ART UNIT 1633 | TECHNOLOGY CENTER 1600/2900 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | BA | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | | TRANSLATION | |
| | BB | | | | | YES | NO |
| OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| X5 | BC | Brunelli and Pall, "A Series of Yeast Shuttle Vectors for Expression of cDNAs and Other DNA Sequences," <i>Yeast</i> 9:1299-1309, 1993. | | | | | |
| X5 | BD | Cozens et al., "DNA Sequences of Two Expressed Nuclear Genes for Human Mitochondrial ADP/ATP Translocase," <i>J. Mol. Biol.</i> 206:261-280, 1989. | | | | | |
| X5 | BE | Fiore et al., "The Mitochondrial ADP/ATP Carrier: Structural, Physiological and Pathological Aspects," <i>Biochimie</i> 80:137-150, 1998. | | | | | |
| X5 | BF | Giraud et al., "Expression of Human ANT2 Gene in Highly Proliferative Cells: GRBOX, a New Transcriptional Element, Is Involved in the Regulation of Glycolytic ATP Import into Mitochondria," <i>J. Mol. Biol.</i> 281:409-418, 1998. | | | | | |
| X5 | BG | Green and Reed, "Mitochondria and Apoptosis," <i>Science</i> 281:1309-1312, August 28, 1998. | | | | | |
| X5 | BH | Klingenberg et al., "Isolation of the ADP, ATP Carrier as the Carboxyatractylate Protein Complex from Mitochondria," <i>Biochimica et Biophysica Acta</i> 503:193-210, 1978. | | | | | |
| X5 | BI | Klingenberg, M., "Principles of Carrier Catalysis Elucidated by Comparing Two Similar Membrane Translocators from Mitochondria, the ADP/ATP Carrier and the Upcoupling Protein," <i>Annals New York Academy of Sciences</i> 456:279-288, 1985. | | | | | |
| X5 | BJ | Klingenberg, "The ADP-ATP Translocation in Mitochondria, a Membrane Potential Controlled Transport," <i>J. Membrane Biol.</i> 56:97-105, 1980. | | | | | |
| X5 | BK | Lauquin and Vignais, "Interaction of [³ H]Bongkrekic Acid with the Mitochondrial Adenine Nucleotide Translocator," <i>Biochemistry</i> 15(11):2316-2322, 1976. | | | | | |
| X5 | BL | Lauquin et al., "Isobongkrekic Acid, a New Inhibitor of Mitochondrial ADP-ATP Transport: Radioactive Labeling and Chemical and Biological Properties," <i>Biochemistry</i> 15(11):2323-2327, 1976. | | | | | |
| EXAMINER | | | | DATE CONSIDERED 4-26-01 | | | |
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SEP 08 2000

FORM PTO-1449
(REV.7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
660088.420C1APPLICATION NO.
09/393,441

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Christen M. Anderson et al.

SEP 12 2000

FILING DATE

September 8, 1999

GROUP ART UNIT
1633

TECH CENTER 1600/2000

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|----|-----------------|------|------|-------|----------|----------------------------|
| | CA | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION |
|--|----|-----------------|------|---------|-------------|
| | | | | | YES NO |
| | CB | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|---|
| XS | CC | Marzo et al., "Bax and Adenine Nucleotide Translocator Cooperate in the Mitochondrial Control of Apoptosis," <i>Science</i> 281:2027-2031, September 25, 1998. |
| XS | CD | Murdock et al., "Up-Regulation of Nuclear and Mitochondrial Genes in the Skeletal Muscle of Mice Lacking the Heart/Muscle Isoform of the Adenine Nucleotide Translocator," <i>The Journal of Biological Chemistry</i> 274(20):14429-14433, May 14, 1999. |
| XS | CE | Rosenberg, <i>Protein Analysis and Purification: Benchtop Techniques</i> , Birkhauser, Boston, pp. 335-347, 1996. |
| XS | CF | Roux et al., "Fluorometric Titration of the Mitochondrial ADP/ATP Carrier Protein in Muscle Homogenate with Atractyloside Derivatives," <i>Analytical Biochemistry</i> 234:31-37, 1996. |
| XS | CG | Santi and Luciani (eds.), <i>Atractyloside: Chemistry, Biochemistry and Toxicology</i> , Piccin Medical Books, Padova, Italy, 1978. |
| XS | CH | Sterling, "Direct Thyroid Hormone Activation of Mitochondria: The Role of Adenine Nucleotide Translocase," <i>Endocrinology</i> 119(1):292-295, 1986. |
| XS | CI | Stubbs, "Inhibitors of the Adenine Nucleotide Translocase," <i>Pharmac. Ther.</i> 7:329-349, 1979. |
| XS | CJ | Vignais et al., "[60] ³ H- or ³⁵ S-Labeled Atractyloside and Carboxyatractyloside, Atractyloside Derivatives Used for Affinity Chromatography, Photoaffinity Labeling, and Spin Labeling, and ³ H- or ¹⁴ C-Labeled Bongkrekic Acid," <i>Methods in Enzymology</i> 55:518-533, 1979. |
| XS | CK | Yan and Sohal, "Mitochondrial Adenine Nucleotide Translocase is Modified Oxidatively During Aging," <i>Proc. Natl. Acad. Sci. USA</i> 95:12896-12901, October 1998. |

EXAMINER

DATE CONSIDERED

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